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 Volume 27, Issue 8, Aug. 2005 Page(s):1344 - 1348
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- ☐ 2. **Unsupervised Selection of a Finite Dirichlet Mixture Model: An MML-Based Approach**
 Bouguila, N.; Ziou, D.;
[Knowledge and Data Engineering, IEEE Transactions on](#)
 Volume 18, Issue 8, Aug. 2006 Page(s):993 - 1009
 Digital Object Identifier 10.1109/TKDE.2006.133
[AbstractPlus](#) | Full Text: [PDF\(5440 KB\)](#) IEEE JNL
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- ☐ 3. **Automatic 3-D grayscale volume matching and shape analysis**
 Guetat, G.; Maitre, M.; Joly, L.; Lai, S.-L.; Tzumin Lee; Shinagawa, Y.;
[Information Technology in Biomedicine, IEEE Transactions on](#)
 Volume 10, Issue 2, April 2006 Page(s):362 - 376
 Digital Object Identifier 10.1109/TITB.2005.863875
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- ☐ 4. **A Hybrid SEM Algorithm for High-Dimensional Unsupervised Learning Using a Finite Generative Mixture**
 Bouguila, N.; Ziou, D.;
[Image Processing, IEEE Transactions on](#)
 Volume 15, Issue 9, Sept. 2006 Page(s):2657 - 2668
 Digital Object Identifier 10.1109/TIP.2006.877379
[AbstractPlus](#) | Full Text: [PDF\(2464 KB\)](#) IEEE JNL
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- ☐ 5. **Variational learning for Gaussian mixture models**
 Nasios, N.; Bors, A.G.;
[Systems, Man and Cybernetics, Part B, IEEE Transactions on](#)
 Volume 36, Issue 4, Aug. 2006 Page(s):849 - 862
 Digital Object Identifier 10.1109/TSMCB.2006.872273

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6. Learning shape-classes using a mixture of tree-unions

Torsello, A.; Hancock, E.R.;
[Pattern Analysis and Machine Intelligence, IEEE Transactions on](#)
Volume 28, Issue 6, June 2006 Page(s):954 - 967
Digital Object Identifier 10.1109/TPAMI.2006.125

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7. Contextual reconstruction of cloud-contaminated multitemporal multispectral images

Melgani, F.;
[Geoscience and Remote Sensing, IEEE Transactions on](#)
Volume 44, Issue 2, Feb. 2006 Page(s):442 - 455
Digital Object Identifier 10.1109/TGRS.2005.861929

[AbstractPlus](#) | Full Text: [PDF\(1216 KB\)](#) IEEE JNL
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8. Unsupervised image-set clustering using an information theoretic framework

Goldberger, J.; Gordon, S.; Greenspan, H.;
[Image Processing, IEEE Transactions on](#)
Volume 15, Issue 2, Feb. 2006 Page(s):449 - 458
Digital Object Identifier 10.1109/TIP.2005.860593

[AbstractPlus](#) | Full Text: [PDF\(936 KB\)](#) IEEE JNL
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9. Active concept learning in image databases

Anlei Dong; Bhanu, B.;
[Systems, Man and Cybernetics, Part B, IEEE Transactions on](#)
Volume 35, Issue 3, June 2005 Page(s):450 - 466
Digital Object Identifier 10.1109/TSMCB.2005.846653

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10. Data mapping by probabilistic modular networks and information-theoretic criteria

Yue Wang; Shang-Hung Lin; Huai Li; Sun-Yuan Kung;
[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Signal Processing, IEEE Transactions on\]](#)
Volume 46, Issue 12, Dec. 1998 Page(s):3378 - 3397
Digital Object Identifier 10.1109/78.735311

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11. Quantification and segmentation of brain tissues from MR images: a probabilistic neural net

Yue Wang; Adali, T.; Sun-Yuan Kung; Szabo, Z.;
[Image Processing, IEEE Transactions on](#)
Volume 7, Issue 8, Aug. 1998 Page(s):1165 - 1181
Digital Object Identifier 10.1109/83.704309

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12. Cluster validation for unsupervised stochastic model-based image segmentation

Langan, D.A.; Modestino, J.W.; Jun Zhang;
[Image Processing, IEEE Transactions on](#)
Volume 7, Issue 2, Feb. 1998 Page(s):180 - 195
Digital Object Identifier 10.1109/83.660995

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- ☐ 13. **Probabilistic principal component subspaces: a hierarchical finite mixture model for data vi**
Yue Wang; Lan Luo; Freedman, M.T.; Sun-Yuan Kung;
[Neural Networks, IEEE Transactions on](#)
Volume 11, Issue 3, May 2000 Page(s):625 - 636
Digital Object Identifier 10.1109/72.846734
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(340 KB\)](#) IEEE JNL
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- ☐ 14. **A mixture model and EM-based algorithm for class discovery, robust classification, and out**
mixed labeled/unlabeled data sets
Miller, D.J.; Browning, J.;
[Pattern Analysis and Machine Intelligence, IEEE Transactions on](#)
Volume 25, Issue 11, Nov. 2003 Page(s):1468 - 1483
Digital Object Identifier 10.1109/TPAMI.2003.1240120
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- ☐ 15. **Unsupervised learning of a finite mixture model based on the Dirichlet distribution and its a**
Bouguila, N.; Ziou, D.; Vaillancourt, J.;
[Image Processing, IEEE Transactions on](#)
Volume 13, Issue 11, Nov. 2004 Page(s):1533 - 1543
Digital Object Identifier 10.1109/TIP.2004.834664
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- ☐ 16. **Recursive unsupervised learning of finite mixture models**
Zivkovic, Z.; van der Heijden, F.;
[Pattern Analysis and Machine Intelligence, IEEE Transactions on](#)
Volume 26, Issue 5, May 2004 Page(s):651 - 656
Digital Object Identifier 10.1109/TPAMI.2004.1273970
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(670 KB\)](#) IEEE JNL
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- ☐ 17. **Predictive hidden Markov model selection for speech recognition**
Jen-Tzung Chien; Furui, S.;
[Speech and Audio Processing, IEEE Transactions on](#)
Volume 13, Issue 3, May 2005 Page(s):377 - 387
Digital Object Identifier 10.1109/TSA.2005.845810
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(472 KB\)](#) IEEE JNL
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- ☐ 18. **Survey of clustering algorithms**
Rui Xu; Wunsch, D., II;
[Neural Networks, IEEE Transactions on](#)
Volume 16, Issue 3, May 2005 Page(s):645 - 678
Digital Object Identifier 10.1109/TNN.2005.845141
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(1544 KB\)](#) IEEE JNL
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- ☐ 19. **Does independent component analysis play a role in unmixing hyperspectral data?**
Nascimento, J.M.P.; Dias, J.M.B.;
[Geoscience and Remote Sensing, IEEE Transactions on](#)
Volume 43, Issue 1, Jan. 2005 Page(s):175 - 187
Digital Object Identifier 10.1109/TGRS.2004.839806
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(1904 KB\)](#) IEEE JNL
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- ☐ 20. **Robust Statistical Estimation and Segmentation of Multiple Subspaces**

Yang, A.Y.; Rao, S.R.; Yi Ma;
[Computer Vision and Pattern Recognition Workshop, 2006 Conference on](#)
17-22 June 2006 Page(s):99 - 99
Digital Object Identifier 10.1109/CVPRW.2006.178
[AbstractPlus](#) | Full Text: [PDF](#)(3008 KB) IEEE CNF
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**21. Variational segmentation of color images**

Nasios, N.; Bors, A.G.;
[Image Processing, 2005. ICIP 2005. IEEE International Conference on](#)
Volume 2, 11-14 Sept. 2005 Page(s):11 - 614-17
Digital Object Identifier 10.1109/ICIP.2005.1530130
[AbstractPlus](#) | Full Text: [PDF](#)(216 KB) IEEE CNF
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**22. Computed simultaneous imaging of multiple functional biomarkers**

Yue Wang; Srikanthana, R.; Jianhua Xuan; Szabo, Z.; Choyke, P.;
[Biomedical Imaging: Macro to Nano, 2004. IEEE International Symposium on](#)
15-18 April 2004 Page(s):225 - 228 Vol. 1
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**23. Semantic video classification and feature subset selection under context and concept uncer**

Fan, J.; Luo, H.; Xiao, J.; Wu, L.;
[Digital Libraries, 2004. Proceedings of the 2004 Joint ACM/IEEE Conference on](#)
7-11 June 2004 Page(s):192 - 201
Digital Object Identifier 10.1109/JCDL.2004.1336120
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**24. A powerful finite mixture model based on the generalized Dirichlet distribution: unsupervised applications**

Bouguila, N.; Ziou, D.;
[Pattern Recognition, 2004. ICPR 2004. Proceedings of the 17th International Conference on](#)
Volume 1, 23-26 Aug. 2004 Page(s):280 - 283 Vol.1
Digital Object Identifier 10.1109/ICPR.2004.1334107
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**25. Variational expectation-maximization training for Gaussian networks**

Nasios, N.; Bors, A.G.;
[Neural Networks for Signal Processing, 2003. NNSP'03. 2003 IEEE 13th Workshop on](#)
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- ☐ **26. Number of arrhythmia beats determination in Holter electrocardiogram: how many clusters?**
Novak, D.; Cueta-Frau, D.; Mico Tormos, P.; Lhotska, L.;
[Engineering in Medicine and Biology Society, 2003. Proceedings of the 25th Annual International C](#)
Volume 3, 17-21 Sept. 2003 Page(s):2845 - 2848 Vol.3
Digital Object Identifier 10.1109/IEMBS.2003.1280511
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- ☐ **27. Computational intelligence approach for gene expression data mining and classification**
Zuyi Wang; Sun-Yuan Kung; Junying Zhang; Javed Khan; Jianhua Xuan; Yue Wang;
[Multimedia and Expo, 2003. ICME '03. Proceedings, 2003 International Conference on](#)
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- ☐ 4. **Recursive unsupervised learning of finite mixture models**
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DOCUMENT-IDENTIFIER: US 20040254930 A1

TITLE: Construction and selection of a finite mixture model for use in clustering and vector quantization

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Acharya, Chiranjit

San Jose

CA

US

US-CL-CURRENT: 707/6; 706/46

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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PGPUB-DOCUMENT-NUMBER: 20040254930

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DOCUMENT-IDENTIFIER: US 20040254930 A1

TITLE: Construction and selection of a finite mixture model for use in clustering and vector quantization

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Acharya, Chiranjit	San Jose	CA	US

US-CL-CURRENT: 707/6; 706/46

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Drawings
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PGPUB-DOCUMENT-NUMBER: 20060029183

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060029183 A1

TITLE: Soft tissue filtering

PUBLICATION-DATE: February 9, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Borghese; N. Alberto	Milano		IT
Frosio; Iuri	Milano		IT

US-CL-CURRENT: 378/62

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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PGPUB-DOCUMENT-NUMBER: 20050114313

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050114313 A1

TITLE: System and method for retrieving documents or sub-documents based on examples

PUBLICATION-DATE: May 26, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Campbell, Christopher S.	San Jose	CA	US
Costello, Tomas J.	San Jose	CA	US
Joshi, Mahesh V.	San Jose	CA	US
Vaithyanathan, Shivakumar	San Jose	CA	US
Zhu, Huaiyu	Union City	CA	US

US-CL-CURRENT: 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040254930 A1

TITLE: Construction and selection of a finite mixture model for use in clustering and vector quantization

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Acharya, Chiranjit	San Jose	CA	US

US-CL-CURRENT: 707/6; 706/46

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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PGPUB-DOCUMENT-NUMBER: 20040254782

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040254782 A1

TITLE: Method and apparatus for training a translation disambiguation classifier

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Li, Hang	Beijing		CN

US-CL-CURRENT: 704/8

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File: PGPB

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PGPUB-DOCUMENT-NUMBER: 20040009489

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040009489 A1

TITLE: Classification of lung carcinomas using gene expression analysis

PUBLICATION-DATE: January 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Golub, Todd R.	Newton	MA	US
Meyerson, Matthew	Concord	MA	US
Bhattacharjee, Arindam	Andover	MA	US
Staunton, Jane	Cambridge	MA	US

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L4: Entry 6 of 6

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Sep 10, 2002

US-PAT-NO: 6449612
DOCUMENT-IDENTIFIER: US 6449612 B1

TITLE: Varying cluster number in a scalable clustering system for use with large databases

DATE-ISSUED: September 10, 2002

INVENTOR-INFORMATION:

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Bradley; Paul S.	Seattle	WA		
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US-CL-CURRENT: 707/6; 704/245, 707/104.1, 707/201

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
EXPECTATION	25531
EXPECTATIONS	16545
MAXIMIZATION	10069
MAXIMISATION	333
MAXIMISATIONS	1